

VALVE PROSTHESIS

ABSTRACT OF THE DISCLOSURE

5 A heart valve prosthesis having a plurality of
leaflets encircling a flow opening and of size to
coapt to form a valve, each leaflet having a free
outflow edge at the outflow end of the leaflet,
wherein the free outflow edge forms a convex (relative
to the leaflet) curve in the plane of the leaflet, and
10 methods for forming such a valve. A stentless heart
valve prosthesis suitable for replacement of the
aortic root comprising an outer wall and a plurality
of leaflets positioned inside the outer wall,
encircling a flow opening and of size to coapt to form
15 a valve, wherein the outer wall and leaflets are
formed from material other than natural valve
material, and methods of forming such a valve
prosthesis.